

Radiological and Environmental Research Division and Health Division
Argonne National Laboratory

700280

Name _____ Sex M CHR # 40-003 Radium Study Project
Date of Birth _____ Date of Films 6/11/73 Bone Survey Summary Sheet

Area	Position	Score
1 Chest & Ribs	PA	0
2 Cervical Spine	AP & LAT.	0
3 Thoracic Spine	AP & LAT.	0
4 Lumbar Spine	AP & LAT.	0
5 Pelvis	AP	0
6 R Shoulder & Humerus	AP	1
7 L Shoulder & Humerus	AP	1
8 R Elbow & Forearm	AP	0
9 L Elbow & Forearm	AP	0
10 R Wrist & Hand	AP	0
11 L Wrist & Hand	AP	0
12 R Femur	AP	0
13 L Femur	AP	0
14 R Knee & Leg	AP	0
15 L Knee & Leg	AP	NF
16 R Ankle	AP	0
17 L Ankle	AP	NF
18 R Foot & Ankle	AP & LAT.	0
19 L Foot & Ankle	AP & LAT.	NF
20 Skull	AP & LAT.	0
21 Paranasal Sinuses	Mod. Waters	0
22 R Mastoid	Lat. & Post.	0
23 L Mastoid	Lat. & Post.	0
TOTAL		3

Criteria for Coding Radiographic Change with Radium Deposition. Note: The most advanced lesion determines the score for each area.

(+) Questionable, barely detectable changes such as slight coarsening of trabeculation.

(1) Minimal areas of bone resorption (equal to or less than 10 mm. in longest diameter) in the cortex of long or flat bone, or Isolated areas of patchy bone sclerosis, or Definite coarsening of trabeculation.

(2) Large punched-out areas of bone resorption (greater than 10 mm. in longest diameter) in long or flat bone, or Lesions of 2 severity, plus (a) some areas of bone sclerosis or (b) definite coarsening of trabeculation.

(3) Extensive changes of 3 severity plus (a) changes in trabecular pattern or (b) areas of bone sclerosis.

(4) Large areas of aseptic necrosis and/or pathologic fracture.

(5) Malignant changes.

GENERAL IMPRESSION: Negative for changes typical of radium deposition, or

Minimal (1-11)

Mild (12-22)

Moderate (23-34)

Advanced (34+)

Changes typical of radium deposition, or

Malignant changes associated with radium deposition.

Note: A score of 5 or 6 in one area make the case advanced irrespective of total score.

N = Normal; F = Pathological fracture;
T = Tumor; M = Miscellaneous

IMPRESSION:

Other Clinical Findings:

Date Films Read 6-11-73 Interpretation by Radiologist: [Signature]